

Sequence Listing

<110> Patricia Billing-Medel
Maurice Cohen
Tracey L. Colpitts
Paula N. Friedman
Julian Gordon
Edward N. Granados
Steven C. Hodges
Michael R. Klass
Jon D. Kratochvil
Lisa Roberts-Rapp
John C. Russell
Stephen D. Stroupe

<120> Reagents and Methods Useful for Detecting Diseases of the Breast

<130> 6193.US.P1

<150> 08/971,772

<151> 17-Nov-1997

<160> 23

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 288

<212> DNA

<213> Homo sapiens

<400> 1

agagtggcct	aggacagctc	ctctcctgcc	agagctaggg	aggcgccgaa	gtagccgcat	60
ggccccgtca	gaagacccca	gggactggag	agccaacctc	aaaggcacca	tccgtgagac	120
aggcctggag	accagctccg	gtgggaagct	ggctggccat	cagaagaccg	tccccacggc	180
tcacctgact	tttgttattg	actgcaccca	cgggaagcag	ctctccctgg	cagcaaccgc	240
atcaccaccc	caagccccc	gtcccaatcg	agggttgta	ccccacca		288

<210> 2

<211> 250

<212> DNA

<213> Homo sapiens

<400> 2

gggactggag	agccaacctc	aaaggcacca	tccgtgagac	aggcctggag	accagctccg	60
gtgggaagct	ggctggccat	cagaagaccg	tccccacggc	tcacctgact	tttgttattg	120
actgcaccca	cgggaagcag	ctctccctgg	cagcaaccgc	atcaccaccc	caagccccc	180
gtcccaatcg	agggttgta	acccaccaa	tgaagaccta	catcgtgttc	tgtggggaaa	240
actggcccc						250

<210> 3

<211> 256

<212> DNA

<213> Homo sapiens

<400> 3

ctgtggggaa	aactggcccc	atctgactcg	ggtgaccccc	atgggtgggg	gatgccttgc	60
ccaggccagg	gccaccctgc	cgctctgcag	agggtctgtg	gcctcagctt	ccttcccagt	120
cagcccgcgc	tgccccccagg	aggttcccga	ggctaagggg	aaaccctgta	aggctgcgcc	180
tgtgaggtct	tcaacttggg	gaacagtcaa	ggactcactg	aaagccctct	cctcttgtgt	240
ctgtgggcag	gccgat					256

<210> 4

<211> 256

<212> DNA

[illegible]

tttattttatt	gggttacttt	at ttatttcag	ggtgggttcc	ctcctcccca	aaaataaccag	60
ctccaggaaa	accatggtat	ctccccagca	ctttgcaggg	cctggcatgt	ggaagatgta	120
ccagtaatat	ttgctgtatg	aatgaatgag	tctcttcatg	tgcagggtgac	ttatcctgcc	180
tctgccactc	gacggatggt	tcagatgcc	cttagcggat	cta atgatgt	ttccttggct	240
caagcacaaa	agactc					256

<213> Homo sapiens

gctgttcaaa atcatcttct ttattttattg ggttacttta tttatttcagg gtgggttccc 60
tccaccccaa aaataccagc tccaggaaaa ccatgggtatc tccccagcac tttgcagggc 120
ctggcatgtg qaa 133

<213> Homo sapiens

agagtggcct	aggacagctc	ctctcctgcc	agagctaggc	aggcgccgaa	gtagccgcat	60
ggccccgtca	gaagacccca	gggactggag	agccaacctc	aaaggcacca	tccgtgagac	120
aggcctggag	accagctccg	gtgggaagct	ggctggccat	cagaagaccg	tccccacggc	180
tcacctgact	tttgttattg	actgcaccca	cgggaaagcag	ctctccctgg	cagcaaccgc	240
atcaccaccc	caagccccc	gtcccaatcg	agggettgtc	accccaccaa	tgaagaccta	300
catcgtgttc	tgtggggaaa	actggcccca	tcttactcgg	gtgaccccca	tgggtggggg	360
atgccttgcc	caggccaggg	ccaccctgcc	gctctgcaga	gggtctgtgg	cctcagcttc	420
cttcccagtc	agcccgtctc	gccccagga	ggttcccag	gctaagggga	aaccctgtaa	480
ggctgcgcct	gtgaggctct	caacttgggg	aacagtcaag	gactcactga	aagccctctc	540
ctcttggtgc	tgtgggcagg	ccgattagct	ggaagggccg	ggctctgatg	cccagaggct	600
gcaattccca	gggcttgcc	ctgcttccc	agctaagcag	gagtcctttg	tgcttgagcc	660
aaggaaacat	cattagatcc	gctaaggggc	atctgaaaca	tccgtcgagt	ggcagaggca	720
ggataagtca	cctgcacatg	aagagactca	ttcattcata	cagcaaatat	tactggtaca	780
tcttccacat	gccaggccct	gcaaagtgct	ggggagatac	catggttttc	ctggagctgg	840
tatTTTTTggg	gtggagggaa	cccaccctga	ataaataaag	taaccctaata	aataaagaag	900
atqatttttqa						910

<213> Homo sapiens

agagtggcct	aggacagctc	ctctcctgcc	agagctaggc	aggcgccgaa	gtagccgcat	60
ggccccgtca	gaagacccca	gggactggag	agccaacctc	aaaggcacca	tccgtgagac	120
aggcctggag	accagctccg	gtgggaagct	ggctggccat	cagaagaccg	tccccacggc	180
tcacctgact	tttgttattg	actgcaccca	cgggaagcag	ctctccctgg	cagcaaccgc	240
atcaccaccc	caagccccc	gtcccaatcg	agggcttgtc	accccaccaa	tgaagaccta	300
catcgtgttc	tgtggggaaa	actggcccca	tctkactcgg	gtgaccccca	tgggtggggg	360
atgccttgcc	caggccaggg	ccaccctgcc	gctctgcaga	gggtctgtgg	cctcagcttc	420
cttcccagtc	agcccgtctc	gccccagga	ggttcccag	gctaagggga	aaccctgtaa	480
ggctgcgcct	gtgaggctct	caacttgggg	aacagtcaag	gactcactga	aagccctctc	540
ctcttggtgc	tgtgggcagg	ccgattagct	ggaagggccg	ggctctgatg	cccagaggct	600
gcaattccca	gggctggcc	ctgcttccc	agctaagcag	gagtcctttg	tgcttgagcc	660
aaggaaacat	cattagatcc	gctaaggggc	atctgaaaca	tccgtcgagt	ggcagaggca	720
ggataagtca	cctgcacatg	aagagactca	ttcattcata	cagcaaatat	tactggtaca	780
tcttccacat	gccaggccct	gcaaagtgct	ggggagatac	catggttttc	ctggagctgg	840
tatTTTTTggg	gtggagggaa	cccaccctga	ataaataaag	taaccctaata	aataaagaag	900
atgatttttga	acagc					915

<211> 68

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Restriction site

 <400> 8
 agctcggaat tccgagcttg gatcctctag agcggccgcc gactagttag ctcgtagacc 60
 cgggaatt 68

 <210> 9
 <211> 68
 <212> DNA
 <213> Artificial Sequence

 <400> 9
 aattaattcc cgggtcgacg agctcactag tcggcggccg ctctagagga tccaagctcg 60
 gaattccg 68

 <210> 10
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Universal primer

 <400> 10
 agcggataac aatttcacac agga 24

 <210> 11
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <400> 11
 tgtaaaacga cggccagt 18

 <210> 12
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 12
 cccacacat gaagacctac 20

 <210> 13
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 13
 agaggagagg gctttcagt 20

 <210> 14
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 14
 cccacagaa cacgatgtag 20

 <210> 15
 <211> 22
 <212> DNA
 <213> Homo sapiens

<400> 15
ttgtcacccc accaatgaag ac

22

<210> 16
<211> 22
<212> DNA
<213> Homo sapiens

<400> 16
tggtatctcc ccagcacttt gc

22

<210> 17
<211> 188
<212> PRT
<213> Homo sapiens

<400> 17
Glu Trp Pro Arg Thr Ala Pro Leu Leu Pro Glu Leu Gly Arg Arg Arg
1 5 10 15
Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala Asn
20 25 30
Leu Lys Gly Thr Ile Arg Glu Thr Gly Leu Glu Thr Ser Ser Gly Gly
35 40 45
Lys Leu Ala Gly His Gln Lys Thr Val Pro Thr Ala His Leu Thr Phe
50 55 60
Val Ile Asp Cys Thr His Gly Lys Gln Leu Ser Leu Ala Ala Thr Ala
65 70 75 80
Ser Pro Pro Gln Ala Pro Ser Pro Asn Arg Gly Leu Val Thr Pro Pro
85 90 95
Met Lys Thr Tyr Ile Val Phe Cys Gly Glu Asn Trp Pro His Leu Thr
100 105 110
Arg Val Thr Pro Met Gly Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr
115 120 125
Leu Pro Leu Cys Arg Gly Ser Val Ala Ser Ala Ser Phe Pro Val Ser
130 135 140
Pro Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys
145 150 155 160
Ala Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu
165 170 175
Lys Ala Leu Ser Ser Cys Val Cys Gly Gln Ala Asp
180 185

<210> 18
<211> 21
<212> PRT
<213> Homo sapiens

<400> 18
Arg Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala
1 5 10 15
Asn Leu Lys Gly Thr
20

<210> 19
<211> 19
<212> PRT
<213> Homo sapiens

<400> 19
Met Gly Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr Leu Pro Leu Cys
1 5 10 15
Arg Gly Ser

<210> 20
<211> 35
<212> PRT

<213> Homo sapiens

<400> 20

Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys Ala
1 5 10 15
Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu Lys
20 25 30
Ala Leu Ser
35

<210> 21

<211> 19

<212> PRT

<213> Homo sapiens

<400> 21

Arg Glu Thr Gly Leu Glu Thr Ser Ser Gly Gly Lys Leu Ala Gly His
1 5 10 15
Gln Lys Thr

<210> 22

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Affinity purification system recognition site

<400> 22

Asp Tyr Lys Asp Asp Asp Asp Lys
1 5

<210> 23

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Affinity purification system recognition site

<400> 23

Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Met His Thr Glu His
1 5 10 15
His His His His His
20